

MARSHALL STAR

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July 31, 2003

To explore and discover ...

NASA Administrator Sean O'Keefe sets tone for Return to Flight

by Jonathan Baggs

NASA Administrator Sean O'Keefe said tremendous gains, risks and tragedies have all been part of the dramatic 45 years of human space flight — during which the American people have asked NASA to explore and discover on their behalf.

“We have to demonstrate that we are up to the task,” O'Keefe said in a televised “NASA Update,” which was broadcast July 23 to all NASA centers.

O'Keefe set the tone for how the NASA team should react to the Columbia Accident Investigation Board report on the loss of the Shuttle Columbia and its crew of seven astronauts Feb. 1. The report will be released in late August. O'Keefe also said the next six months “will define the Agency” in the minds of the public as NASA prepares to return the Space Shuttle to flight

See O'Keefe on Page 2



Photo by David Higginbotham, NASA/Marshall Center

Expedition Six crew visits Marshall

International Space Station Expedition Six crew members Donald Pettit, left, and Cmdr. Kenneth Bowersox, talk with the current crew aboard the Space Station from Marshall's Payload Operations Center. Pettit and Bowersox visited Marshall July 24 and presented mission highlights and Silver Snoopy awards to Marshall team members. For Silver Snoopy winners, see page 4.

'One NASA' emphasized by Space Flight Leadership Council at Marshall

by Jonathan Baggs

William Readdy, NASA associate administrator for the Office of Space Flight, told Marshall team members last Friday that the One NASA initiative is helping lead the Return to Flight program.

Readdy was joined in Morris Auditorium by Marshall Center Director David King and several other NASA center directors and members of the Space Flight Leadership Council. The Council met at Marshall to discuss issues involved in returning the Space Shuttle to flight status.

Before introducing Readdy, King said,

“It's going to take all of us in the Return to Flight effort – all of the field centers and a lot of resources to make this happen. This is an historic journey that we're on and it's going to take all of us to help get back to flying again.”

King said Readdy was a “tremendous advocate” of the space program. “He has worked tirelessly for this Agency and he has worked countless hours, days and months – non-stop, since Feb. 1.

“I'm proud to call him our leader,” King added.

To illustrate the core philosophy of One NASA, Readdy pointed to the Council

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NASA, Marshall Center recognize employee achievements

by Jonathan Baggs

Civil servants and contractors at the Marshall Center were recognized Tuesday in two separate honor ceremonies for their achievements and contributions to America's space program.

Honor Awards photos, page 6

Lynn Cline, deputy associate administrator for the Office of Space Flight at NASA Headquarters in Washington, D.C., joined Marshall Center Director David King at Marshall's annual NASA Honor Awards ceremony to honor about 300

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status.

"(The Columbia Accident Investigation Board) has done a remarkable job," O'Keefe said. "They've been very open about what they think. There's no doubt we are going to learn an awful lot from their report. They are going to render a view of how we need to proceed. There's no doubt it's going to be a very direct and pointed report."

O'Keefe said the NASA team must not be defensive when the report is released. He said time spent being defensive "will be time wasted" that could go toward Return to Flight.

"The Board will not go back and rewrite the report based on our reaction to it," O'Keefe said.

The Columbia Accident Investigation Board report recommendations will not tell NASA "how" to go about returning the Shuttle to flight, O'Keefe said. "That means we have flexibility on how to pursue those recommendations and a tremendous amount of responsibility ... on behalf of the American people."

Whatever the report recommends, O'Keefe said the NASA team must "set

the bar higher than anything we read in the report" and fix the Shuttle and get back to flying.

"The most critical feature of this is that we accept responsibility ... and be focused on this objective and do the best job possible," O'Keefe said. "You will have to think, 'What can I do today to help us return to flight?'"

Ideas and different viewpoints on how to implement the Columbia Accident Investigation Board recommendations will be encouraged. The NASA Safety Reporting System will be improved so that team members can easily access it at the NASA Headquarters Web site and voice concerns, O'Keefe said, adding that everyone has a responsibility to "raise their hand if something doesn't seem right."

To provide independent verification of engineering and safety standards, O'Keefe is creating the NASA Engineering and Safety Center, which will be based at Langley Research Center in Hampton, Va. The center will provide a central location to coordinate and conduct comprehensive examinations of all NASA programs and projects. O'Keefe said it will have the capacity and authority to directly influence

operations on any Agency mission.

"The objective is to improve all of us ... to ensure we are doing it as well as we possibly can," O'Keefe said. "That's a good thing."

The engineering and safety center will be staffed with about 250 personnel from throughout NASA who will report directly to Langley Director-select Roy Bridges. When the center will be operational has not been announced.

Diligence by NASA team members will be key in the Return to Flight effort, O'Keefe said.

O'Keefe said the "first cut" at an implementation plan for Return to Flight has already been accomplished. "(It) will be constantly updated and refined until the launch order for STS-114 is given."

That launch order might be given in March 2004, O'Keefe said, but he noted that the Agency would not be held to a calendar date. "We will fly only when we are fit to fly. There's going to be a lot of public scrutiny ... but that's part of it. We are a public agency. We are accountable for what we do. Working through this is not something we should be afraid of." *The writer, employed by ASRI, is the editor of the Marshall Star.*

NASA creating Engineering and Safety Center

NASA Headquarters release

On July 15, NASA announced plans to create an independent Engineering and Safety Center at the Langley Research Center in Hampton, Va., to provide comprehensive examination of all NASA programs and projects.

The center will provide a central location to coordinate and conduct robust engineering and safety assessment across the entire agency.

"Among the things we've learned during the investigation of the Columbia tragedy is the need to independently verify our engineering and safety standards," said NASA Administrator Sean O'Keefe. "When it comes to safety and engineering analysis, we need to improve our ability to share technical information, practices and talent, and independently ensure we are in the best position to achieve mission success."

The NASA Engineering and Safety Center is expected to draw on the talents of people throughout NASA and will report to former astronaut Roy Bridges, currently Kennedy Space Center

director and director-select of the Langley Center. Bryan O'Connor, also a former astronaut and associate administrator for the Office of Safety and Mission Assurance at NASA Headquarters in Washington, will have policy responsibility for the organization. O'Connor's task will be to assure the effective use of all Agency assets and expertise to derive the independent assessments.

"As we move forward with our 'Return to Flight' efforts, the development and implementation of the NASA Engineering and Safety Center will help us focus on the future of our technical and safety imperatives," O'Connor said. "We have a responsibility to make our programs as safe and as sound as possible. This project raises our commitment to unprecedented levels."

Planned activities of the new organization include:

- Independent engineering assessment and testing to support critical NASA projects and programs
- Engineering and safety review and evaluation through

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Readdy

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members seated on stage – representatives of different centers coming together as one Agency to solve problems. “That’s what this panel is here doing,” he said. “That’s what all of you are a part of.”

Readdy said as the 45th anniversary of NASA’s founding approaches, some Marshall team members still remember the 1967 Apollo capsule fire that killed three astronauts – and they also recall how far away landing a human on the Moon seemed after that tragedy.

“You don’t have to think back too far to recall how dark it was after the fire,” Readdy said. “It is always darkest before the dawn. We are very much defined by our times, by our triumphs and by our tragedies – most recently, of course, Feb. 1. It defines us not only as individuals, but it defines us as a culture and it defines us as an Agency. How we deal with our current challenges and circumstances will likely set the course for human space flight for the next decade. That’s a pretty heavy burden to put on your shoulders, but it is a burden I’m convinced you are equal to – and we’ll come back just like we did after the Apollo fire and just like we did after the Challenger (Shuttle tragedy in 1986).”

Readdy said when it is tough and there is risk, “You also have to look at what the potential gain is, and how we want to define ourselves as an Agency and as a people. When the going gets tough, the tough do get going and I’ve seen that ... since Feb. 1 in so many different areas.”

A recent Florida newspaper poll showed that 70 percent of respondents were either “confident” or “very confident” in NASA’s ability to return the Space Shuttle to flight, Readdy said.

“They know what we’re about,” he said. “They trust us with their hopes, their dreams, their expectations – and with their sons and daughters – to go off and explore on their behalf. And we won’t let them down.”



Photo by Emmett Given, NASA/Marshall Center

Readdy

Return to Flight efforts started in the instant following the loss of Columbia on Feb. 1, Readdy said. “Everybody went into work and started working on Return to Flight. When we were on the phone with the President of the United States that morning, he said, ‘We always knew it was risky and we knew it might happen, but I want you to find out what happened, fix it and get back to flying again.’”

Readdy said he is confident that future historians will not ignore the role played by Marshall team members in the pursuit of exploration – both in the Return to Flight effort and in the Marshall has with the International Space Station. The Space Station passed the milestone of 1,000 days of continuous human presence earlier this week. Readdy said it is because of the One NASA atmosphere between Marshall and all other Agency centers that such milestones are passed.

“I’m confident the role you all have played in that, and in getting us back to flying again, will figure prominently in those histories,” Readdy said. “When the sky was darkest before the dawn, you were the ones who showed courage and determination. You stayed the course. I know we will come back smarter. We will come back stronger. And we’ll come back safer when STS-114 flies next year.”

The writer, employed by ASRI, is the editor of the Marshall Star.



Photo by David Higginbotham, NASA/Marshall Center

Space Fight Leadership Council members answer questions from Marshall team members last week. From left are Bill Parsons, manager of the Space Shuttle Program at Johnson Space Center; Mike Rudolphi, interim director of Stennis Space Center; Jim Kennedy, deputy director and director-select of Kennedy Space Center; Gen. Roy Bridges, director of Kennedy Space Center and director-select of Langley Research Center; Bryan O’Connor, associate administrator for Safety and Mission Assurance at NASA Headquarters; David King, Marshall Center director; Bill Readdy, associate administrator for the Office of Space Flight at NASA Headquarters; Dr. Michael Greenfield, associate deputy administrator for Technical Programs at NASA Headquarters; Gen. Jefferson Howell Jr., director of Johnson Space Center; and Gen. Michael Kostelnik, deputy associate administrator for the International Space Station and Space Shuttle.

Marshall team members receive Silver Snoopy awards



Photo by Emmett Given, NASA/Marshall Center

International Space Station Expedition Six Cmdr. Kenneth Bowersox, right, presents Silver Snoopy awards to, from left, Harry F. Schramm, CD30; Tracy McMahan, CD70; and James H. Bramblett, CD10.



Photo by Emmett Given, NASA/Marshall Center

Harry B. Craig, PS40, left, accepts a Silver Snoopy award from Expedition Six Cmdr. Kenneth Bowersox.



Photo by Emmett Given, Marshall Center

Kenneth W. Poole, RS40, left, accepts a Silver Snoopy award from Expedition Six Cmdr. Kenneth Bowersox.



Photo by Emmett Given, NASA/Marshall Center

Expedition Six Cmdr. Kenneth Bowersox presents Silver Snoopy awards to, from left, Jacob D. Yarbrough, TD73; Dawn M. Ray, TD61; and Kimberly A. Holt, TD52.



Photo by David Higginbotham, Marshall Center

Rickey Cissom, FD32, center, receives a Silver Snoopy award from Expedition Six International Space Station Science Officer Donald Pettit, left, and Cmdr. Kenneth Bowersox.



Photo by Emmett Given, NASA/Marshall Center

Expedition Six Cmdr. Kenneth Bowersox, right, presents a Silver Snoopy award to Lisa R. Hughes, LS01.

David Throckmorton selected for initial phase of Corporate Executive Development Program

To serve as Stennis assistant director

by Diedra A. Williams

David A. Throckmorton, deputy director of the Engineering Directorate at the Marshall Center, has been selected by the Office of Space Flight as one of four NASA executives to participate in the initial phase of its Corporate Executive Development Program.

The program, open to current Senior Executive Service members, is designed to support succession planning by encouraging aspiring senior leaders within the Office of Space Flight to participate in occupational or geographical mobility assignments. These assignments, in turn, should strengthen leadership and managerial skills and competencies.

"This program fully supports the One NASA vision by exposing participants to a variety of experiences across the Agency," said David King, Marshall Center director.

Throckmorton joined Marshall in December 2000 as deputy manager of the Structures, Mechanics and Thermal Department in the Engineering Directorate. He was selected as the deputy director of the Engineering Directorate in 2002. Before coming to Marshall, he was the manager of the Space Transportation Programs Office in the Space Access and Exploration Programs Office at Langley Research Center in Hampton, Va.

Throckmorton will begin a one-year rotational assignment in August as assistant director at the Stennis Space Center in Mississippi. He will provide executive leadership in support of programmatic assignments to Stennis — focusing on program content, resource requirements and utilization, effectiveness and efficiency and employee well being. He also will assist in planning and development of institutional and technical bases to help accomplish the role and mission of Stennis.

"I am excited to be part of this pilot program that represents



Throckmorton

Photo by Doug Stoffer, NASA/Marshall Center

an intensive effort by the Office of Space Flight to develop employees to meet NASA's leadership needs in a constantly changing environment," Throckmorton said.

Other executives selected are G. Alan Flynt from Johnson Space Center in Houston, who will be assigned as deputy director at Ames Research Center at Moffet Field, Calif.; Robert M. Lightfoot Jr., from Stennis, who will be senior systems integration manager for the Space Shuttle Program's Code M at NASA Headquarters in Washington, D.C., and Lesa B. Roe from Johnson Space Center, who will be associate director for business at Langley.

The Corporate Executive Development Program is expected to be an important source for the Office of Space Flight's future senior leadership. However, successful completion of the program does not guarantee selection for such a position.

Participation in the program requires a two year commitment, and consists not only of mobility assignments to other NASA centers and Headquarters, but mentoring by a current Office of Space Flight executive, developmental training courses and a new, more formal, Individual Development Plan that indicates career goals, developmental needs, and proposed methods to address developmental needs. There also will be periodic progress reviews by the Office of Space Flight Council.

It is expected that new participants will be accepted into the program every six months.

For more information on the program, contact the Executive Resources Program manager in the Human Resources Department at the Marshall Center.

The writer is the Executive Resources Program manager at the Marshall Center.

An aerospace history moment

From "Celebrating a Century of Flight"

The first hydrogen gas balloon was launched in Paris on Aug. 27, 1783, near where the Eiffel Tower stands today.

J.A.C. Charles, a popular lecturer on scientific topics, accomplished the feat after hearing that Joseph and Etienne Montgolfier had launched a hot-air

balloon the previous June in the French town of Annonay.

Neither balloon carried humans, though the Montgolfier brothers, in September, lofted a duck, a sheep and a rooster into the sky for an eight-minute ride, to the delight of King Louis XVI of France and his queen, Marie Antoinette.

The Montgolfier brothers then designed a balloon to carry humans.

On Nov. 21, 1783, Piatre de Rozier and the Marquis d'Arlandes fed a fire of burning straw that filled the Montgolfier balloon with hot air and lifted them about 330 feet into the Paris skies. The flight lasted under 30 minutes.

In response to the Montgolfier brothers' feat, Charles launched the first gas balloon to carry humans Dec. 1, 1783.

Presidential Rank Awards

Rank of Distinguished Executive



Teresa Washington,
CD01

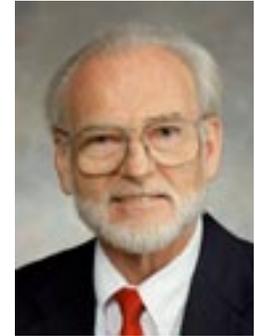
Rank of Meritorious Service



N. Jan Davis, FD01



John W. Kilpatrick,
ED01



Dennis A. Kross, TD01



NASA Distinguished Service Medal

Axel Roth, DE01

NASA Distinguished Public Service Medal



Roger Bressenden,
Smithsonian Astro-
physical Observatory



Hugh Wilson, Hamp
Wilson Consulting

NASA Outstanding Leadership Medal



Steven D. Pearson,
ED03



Michael U. Rudolphi,
MP51



Christopher E. Singer,
TD01



William B. Waits, AD50



Ann F. Whitaker, SD01



NASA Exceptional Scientific Achievement Medal

Ronald L. Moore,
SD50

NASA Exceptional Service Medal



Thomas C. Bryan,
ED19



Rosa N. Caudle, RS60



Rosemary S. Finley,
TD10



Gerald F. Flanagan,
VS10



Steven J. Gentz, ED35



Thomas W. Hartline,
QS19



Michael W. Kearney,
III, FD40



Rodney B. Key, FD31



Sandor L. Lehoczky,
SD46



Terry M. Luttrell, AD33



David L. McGaha, ED37



James M. McGroary,
LS01



John W. Moorhead,
MP21



Dallias S. Pearson,
TD04



Emil L. Posey, PS20

NASA Exceptional Service Medal



Jimmy R. Pruitt,
CD60



Jack C. Reily, Jr. SD74



Charles H. Shivers,
ED40



Dennis E. Strickland,
TD71



Thomas F. Zoladz, TD63

NASA Exceptional Achievement Medal



Alan L. Clark, QS10



Jerry R. Cook, UP02



Ona B. Elliott, RS10



Mark F. Fisher, UP30



Danny Garcia, ED41



Richard A. Helmick,
AD30



Uwe Hueter, TD15



Owen H. Johnson,
AD50



Don R. Krupp, Jr., AD50



Steven McClard, FD22



Bruce W. McCoy, ED16



Sandra L. Presnell,
PS10



Lisa A. Roth, ED22



Jimmy R. Snoddy, Jr.
UP40

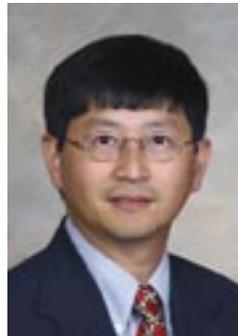


Michael L. Tinker, ED21

NASA Exceptional Technology Achievement Medal



Robert Jeffrey Ding,
ED33



Jonathan A. Lee, ED33

NASA Exceptional Administrative Achievement Medal



Meta S. Latham, AD42



Judy C. Southard, FD22

NASA Public Service Medal



Alexander Chernov,
University of Space
Research Association



Donnie G. Crouch,
EG&G



Kimberly D. Lankford,
Lockheed Martin
Corp.-IT



James B. Odom, SAIC

NASA Certificate of Appreciation

Dairrel S. Benefield, *Engineering Directorate*
Philip J. Best, *Space Transportation Directorate*
Jeffrey C. Brewer, *Engineering Directorate*
James M. Cole, *Science Directorate*
Susan Davis, *Flight Projects Directorate*
Victor B. Hamrick, *Flight Projects Directorate*
Melody Herrmann, *Space Transportation Directorate*
Michael G. Houts, *Space Transportation Directorate*
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William J. Kauffman, *Engineering Directorate*
Betty C. Kilpatrick, *Procurement Directorate*
Lawrence D. Kos, *Space Transportation Directorate*
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Catherine Lapenta, *Second Generation RLV Program Office*
Deborah K. Ledbetter, *Engineering Directorate*
Roy W. Lutonsky, *Engineering Directorate*
Paul L. Luz, *Science Directorate*
Stanley E. McCall, *Procurement Office*
James R. Meehan, *Engineering Directorate*

Michael L. Mitchell, *Engineering Directorate*
Gustav W. Mordan, *Flight Projects Directorate*
Tomas E. Nesman, *Space Transportation Directorate*
Edwin M. Norman, *Engineering Directorate*
Daniel A. O'Neil, *Flight Projects Directorate*
Kimberly K. Owen, *Flight Projects Directorate*
Russel A. Parks, *Engineering Directorate*
Neil E. Rainwater, *Systems Management Office*
Monserrate C. Roman, *Flight Projects Directorate*
Julie N. Sanchez, *Flight Projects Directorate*
Keith C. Shackelford, *Engineering Directorate*
Doyle W. Slaten, *Center Operations Directorate*
Steven D. Smart, *Center Operations Directorate*
Carl M. Smith, *Flight Projects Directorate*
Randy P. Sparkman, *Center Operations Directorate*
George T. Story, *Space Transportation Directorate*
Louise L. Strutzenberg, *Science Directorate*
Jason D. Waggoner, *Engineering Directorate*
Anita G. Webster, *Center Operations Directorate*
Kenneth J. Welzyn, *Space Transportation Directorate*

NASA Group Achievement Award

Advanced Video Guidance Sensor Development Team
Altus Cumulus Electrification Study Implementation Team
Atmospheric Electricity Team
EPC Development Team
Global Hydrology Resource Center Team
Information Technology Team
International Space Station Automated Procedures Capability Team (Timeliner)
Leonids Observation Team
MSFC Freedom to Manage Team
Node 2 Final Acceptance Review Team
Node 3 Design Review Team
Schedule Support and Evaluation Team
Site for On-line Learning and Resources Enhancement Team
Space Launch Initiative 120-Day Study Team
Space Shuttle Electromagnetic Environmental Effects (E3) Control Panel Team
Turbopump Optimization Team
Vehicle Integrated Performance Analysis Team
Web-based Time and Attendance System Computer Systems Team

Award external to NASA

N. Jan Davis, Norm Augustine Award for Outstanding Achievement in Engineering Communications. Presented by Sue Skemp, immediate past president of the American Society of Mechanical Engineers

NASA Public Service Group Achievement Award

Business Information Systems Team
Contractor Safety Forum Team
Kiosk Project Team
Materials Testing Team
Payload Data Service System Phase I Redesign Development Team
Payload Information Management System Development Team
Space Shuttle Upgrade Video Production Team

Marshall Director's Commendation Certificate

James H. Adams, *Science Directorate*
Ralph H. Allen, *Center Operations Directorate*
Joel Anderson, *Safety and Mission Assurance Office*
William C. Baker, *Engineering Directorate*
Tammy K. Barcala, *Space Transportation Directorate*
Robert W. Bobo, *Space Transportation Directorate*
Norma R. Bolander, *Office of Chief Financial Officer*
Joseph A. Bonometti, *Space Transportation Directorate*
Jerre H. Burgreen, *Procurement Office*
DeWitt H. Burns, *Engineering Directorate*
Amy B. Campbell, *Procurement Office*
Joseph C. Cianciola, *Safety and Mission Assurance Office*
Lawrence D. Craig, *Engineering Directorate*
Karen N. Cunningham, *Engineering Directorate*
Charlie Dill, *Second Generation RLV Program Office*
H. Charles Dischinger, Jr., *Engineering Directorate*
Lynn G. Doughty, *Procurement Office*
James Dowdy, Jr., *Customer and Employee Relations Directorate*
Helen P. Eddleman, *Systems Management Office*
Alton C. English, *Flight Projects Directorate*
Gregory B. Franks, *Engineering Directorate*

Darrell E. Gaddy, *Engineering Directorate*
Bobby A. Gamble, *Space Transportation Directorate*
Helen Grant, *Science Directorate*
Mary Harris, *Second Generation RLV Program Office*
William K. Hefner, *Flight Projects Directorate*
David A. Hissam, *Space Transportation Directorate*
Robbie E. Hood, *Science Directorate*
Hong S. Kim, *Science Directorate*
Timothy W. Lawrence, *Engineering Directorate*
John E. Lowery, *Engineering Directorate*
David S. McGhee, *Engineering Directorate*
Richard M. Ryan, *Second Generation RLV Program Office*
Doralee V. Searcy, *Office of Chief Financial Officer*
Clarissia R. Smith, *Space Transportation Directorate*
David V. Smitherman, Jr., *Flight Projects Directorate*
David J. Spacek, *Safety and Mission Assurance Office*
James F. Spann, Jr., *Science Directorate*
Angela Storey, *Customer and Employee Relations Directorate*
Katherine P. Van Hooser, *Space Transportation Directorate*
Shashi P. Varshney, *Office of Chief Financial Officer*
Andrew C. Welch, *Center Operations Directorate*

Marshall Certificate of Appreciation

Lucille A. Boger, *Center Operations Directorate*
Dewey R. Brown, *ASRI*
Connie K. Carrington, *Flight Projects Directorate*
Sharon J. Chunn, *Office of Chief Financial Officer*
Jeffrey J. Clancy, *TBE*
Cynthia A. Coker, *Science Directorate*
Norma R. Dugal-Whitehead, *Engineering Directorate*
Erich Engler, *Morgan Research*
Cynthia K. Ferguson, *Science Directorate*
Charles L. Gamble, *Engineering Directorate*
Harold W. Gandy, *Science Directorate*
Terrie M. Gardner, *Engineering Directorate*
Virginia B. Garrison, *Customer and Employee Relations Directorate*
Barbara A. Hambrick, *Flight Projects Directorate*
David E. Hammond, *USA*
Earline Hammonds, *Engineering Directorate*
Lindsey H. Howard, *ASRI*
Timothy L. Huff, *Engineering Directorate*
Bennie A. Jacks, *Space Transportation Directorate*
Isaac W. Jones, *Procurement Office*

Julia W. Khodabandeh, *Engineering Directorate*
Mark S. King, *Engineering Directorate*
Earnestine L. Lee, *Mainthia*
Stephen G. Moyers, *Center Operations Directorate*
Michael G. Owens, *ERC*
Douglas A. Parkinson, *Space Transportation Directorate*
Charles D. Parton, *Procurement Office*
Steven D. Pavelitz, *Flight Projects Directorate*
Ruthie M. Pirtle, *Office of Chief Financial Officer*
Katherine J. Poe, *Space Shuttle Projects Office*
Bryan J. Simmons, *Engineering Directorate*
Yvonne L. Simms, *Boeing*
Oron M. Springer, *ASRI*
Wendell S. Stewart, *Second Generation RLV Program Office*
Terry Taylor, *Second Generation RLV Program Office*
Randall H. Tucker, *Safety and Mission Assurance Office*
Derek Wang, *ASRI*
Mike Ward, *Madison Chamber of Commerce*
Jeffrey S. West, *Space Transportation Directorate*
Warren K. Woods, *Safety and Mission Assurance Office*

Marshall Group Achievement Award

Alpha Main Engine Project Team
AWACS Upgrade Team
Cargo Assurance Department Web-site Improvement Team
Chandra X-Ray Observatory

- ACIS CTI Investigation Subgroup
- Education and Public Outreach Subgroup
- General Observer Grant Award Subgroup
- Mission Planning and Review Subgroup

COBRA Project Office Team
Combined Components Interface Test Team
Communications Infrastructure Upgrade Team
Construction Contract Improvement Team
Glovebox Integrated Microgravity Isolation Technology (g-

LIMIT) Design Team
Gravity Probe-B Gas Management Assembly Team
In-Space Propulsion Team
In-Space Transportation Investment Area Team
Marshall NASA CONNECT Production Team
Marshall Proposal Production Team
Mass and Performance Margin Team
Microgravity Science Glovebox Integration and Test Team
MSFC Winsight Implementation Team
Plasma Interaction with High Voltage Solar Arrays Team
Propulsion Systems Integration Team
Short-Term Prediction and Technology Transition Team
Travel Manager Project Team

Marshall Research and Technology Award

Douglas B. Bearden, *Engineering Directorate*
Dennis J. Boccippio, *Science Directorate*
Richard E. Boothe, *Engineering Directorate*
Andrew M. Brown, *Engineering Directorate*
Mark J. Christl, *Science Directorate*
Steven W. Evans, *Engineering Directorate*
Hansel D. Gill, *Engineering Directorate*
Richard N. Grugel, *Science Directorate*
David Gwaltney, *Engineering Directorate*
Donna M. Hardage, *Engineering Directorate*
Brent Hipp, *Space Transportation Directorate*
Anthony B. Hulcher, *Engineering Directorate*
Alok Majumdar, *Engineering Directorate*
James J. Martin, *Space Transportation Directorate*
Franklin R. Robertson, *Science Directorate*
Edward Snell, *Engineering Directorate*

Robert M. Suggs, *Science Directorate*
Frank Thomas, *Engineering Directorate*
Luis C. Trevino, *Engineering Directorate*
Martin P. Volz, *Science Directorate*

Cryogenic Mass Flowmeter Proof of Concept Team

- Val Korman, *Madison Research Corporation*
- Kevin Pedersen, *Space Transportation Directorate*
- John Wiley, *Space Transportation Directorate*

Photographic Analysis Team

- Mark Covan, *USA*
- Mike O'Farrell, *USA*
- Danny Osborne, *ERC*
- Tom Rieckhoff, *Space Transportation Directorate*

Technology Transfer Award

Robert W. Carter, *Engineering Directorate*
Robert Jeffrey Ding, *Engineering Directorate*
David A. Gwaltney, *Engineering Directorate*
John Rakoczy, *Science Directorate*

Advanced Video Guidance Sensor Technology Team

- Michael L. Book, *Engineering Directorate*
- Linda L. Brewster, *Engineering Directorate*
- Thomas C. Bryan, *Engineering Directorate*
- Ricky Howard, *Engineering Directorate*
- David L. Kelley, *Engineering Directorate*

- Leslie Murphy, *Engineering Directorate*
- Fred D. Roe, Jr., *Engineering Directorate*

Low-Cost Lightweight Rotary Position Sensor Team

- Dean C. Alhorn, *Engineering Directorate*
- David E. Howard, *Engineering Directorate*
- Dennis A. Smith, *Engineering Directorate*

NASA Space Environments and Effects Program Team

- Donna Hardage, *Engineering Directorate*
- William J. Kauffman, *Engineering Directorate*

Marshall Inventor of the Year Award

David Hathaway, *Science Directorate*

Paul Meyer, *Science Directorate*

Marshall Software of the Year Award

John Roger Moody, *CSC*

Marshall Patent Award

Melvin A. Bryant, III, *Space Shuttle Projects Office*

Jonathan A. Campbell, *Flight Projects Directorate*

Robert Carrigan (*Deceased*)

Robert Jeffrey Ding, *Engineering Directorate*

Timothy E. Dowling, *Engineering Directorate*

Richard N. Grugel, *Science Directorate*

David H. Hathaway, *Science Directorate*

Richard Holmes, *Science Directorate*

Jonathan A. Lee, *Engineering Directorate*

Jeffrey L. Lindner (*former NASA employee*)

Michael A. Martin, *Space Transportation Directorate*

Paul J. Meyer, *Science Directorate*

W. Neill Myers, *Space Transportation Directorate*

George R. Schmidt, *Space Transportation Directorate*

Harry F. Schramm, *Customer and Employee Relations Directorate*

William Herbert Sims III, *Space Transportation Directorate*

Stanley Smeltzer III, *Formerly MSFC, now LaRC*

Eric S. Taylor, *Center Operations Directorate*

William Witherow, *Science Directorate*

Awards

Continued from page 1

employees for special accomplishments during 2002.

Recognized during the Tuesday ceremonies were four Marshall team members who received Presidential Rank Awards in Washington in November 2002. Presidential Rank Awards are for outstanding career Senior Executive Service members, whose achievements are considered exceptional for an extended period.

Tereasa Washington, director of Marshall's Customer and Employee Relations Directorate, received the Rank of Distinguished Executive award – the highest honor attainable for a civil servant. Receiving the Rank of Meritorious Executive for government service were Dr. N. Jan Davis, director of Marshall's Flight Projects Directorate; John W. Kilpatrick, director of Marshall's Engineering Directorate; and Dennis A. Kross, director of Marshall's Space Transportation Directorate.

In a July 9 ceremony at NASA Headquarters, Axel Roth, Marshall's associate director, received the NASA Distinguished Service Medal. This is NASA's highest honor for a civil servant whose distinguished service, ability or courage has personally made a contribution representing substantial progress to the NASA mission.

Also at the Headquarters award ceremony, Roger J. Bressenden of the Smithsonian Astrophysical Observatory in Cambridge, Mass., and Hugh "Hamp" Wilson of Hamp Wilson Consulting in Tallahassee, Fla., received the NASA Distin-

guished Public Service Medal. This is NASA's highest honor for a non-civil servant for accomplishments that contributed substantially to the NASA mission.

Among the awards presented Tuesday at the Marshall Center were five NASA Outstanding Leadership Medals. Receiving the awards were Steven D. Pearson of the Engineering Directorate; Michael U. Rudolphi, formerly of Marshall's Space Shuttle Projects Office and currently the interim director of Stennis Space Center; Christopher E. Singer, deputy director of the Space Transportation Directorate; William B. Waits, retired former manager of the Protective Services Department in the Center Operations Directorate; and Ann F. Whitaker, director of the Science Directorate.

Other awards presented Tuesday included Exceptional Service Medals recognizing significant, sustained performance and contributions to NASA's mission; Exceptional Achievement Medals for specific accomplishments or contributions; Public Service Medals awarded to contractors for exceptional contributions to NASA's mission; and NASA Certificates of Appreciation.

Marshall awards included the Director's Commendation Certificate, Marshall Certificate of Appreciation, Group Achievement Awards, Research and Technology Awards, Technology Transfer Awards and Marshall Patent Awards.

The writer, employed by ASRI, is the editor of the Marshall Star.

Safety

Continued from page 2

independent analysis, hazard and risk assessment, safety audit, and participation in mishap investigations

- A central location for independent trend analysis utilizing state-of-the-art tools and techniques
- A structure to support engineering collaboration for problem resolution
- Central coordination of engineering and programmatic lessons learned,

technical standards, and technical discipline expertise

- Independent inspection and validation of activities to ensure the constant maintenance of NASA safety standards

“We need to go further than what we expect to see in the findings of the Columbia Accident Investigation Board,” added Dr. Michael Greenfield, associate deputy administrator for Technical Programs at NASA Headquarters in

Washington. Greenfield co-chairs the Agency’s Return to Flight Team with Associate Administrator for Space Flight William F. Readdy.

“We need to look beyond the Columbia Accident Investigation Board and provide a centralized clearinghouse that provides NASA with authoritative and consolidated analysis and assessment for all of the Agency’s high-risk endeavors,” Greenfield said.

Job Announcements

MS03N0152, AST, Engineering Project Management. GS-0801-14, Space Transportation Directorate, High Powered Propulsion Systems Office at Jet Propulsion Laboratory in Pasadena, Calif. Closes July 28. Contact: Jim Bramblett at 544-3398.

MS03C0154, Transportation Specialist. GS-2101-11, Center Operations Directorate, Logistics Services Department. Closes Aug. 1. Contact: Dana Blaine at 544-7514.

MS03C0155, Contract Specialist. GS-1102-14, Procurement Office. Closes July 29. Contact: Allan Day at 544-4079.

MS03C0157, AST, Experimental Facilities Development. GS-0801-14, Center Operations Directorate, Facilities Engineering Department. Closes July 28. Contact: Dana Blaine at 544-7514.

MS03N0159, Program Analyst. GS-0343-12, Space Transportation Directorate, Business and Administrative Office. Closes Aug. 4. Contact: Jim Bramblett at 544-3398.

MS03C0160, Executive Support Assistant. GS-0303-09, Office of the Deputy Director. Closes Aug. 4. Contact: Dana Blaine at 544-7514.

MS03N0161, AST, Aerospace Flight Systems. GS-0861-14, Flight Systems Department, Pressurized Carriers Group. Closes Aug. 8. Contact: Carolyn Lundy at 544-4049.

MS03N0162, Program Analyst. GS-0343-11, Space Transportation Directorate, Business and Administrative Office. Closes Aug. 5. Contact: Jim Bramblett at 544-3398.

Obituaries

Ismail Akbay, 72, of Athens, died Sunday, July 27. Memorial services were Wednesday at Berryhill Funeral Home in Huntsville.

In lieu of flowers, the family asks that any contributions be made to the Ismail Akbay Memorial Space Camp Scholarship at the U.S. Space & Rocket Center in Huntsville at the following address:

U.S. Space & Rocket Center Foundation
One Tranquility Base
Huntsville, AL 35805-3399

Akbay was born in Tirilye, Turkey, and came to the United States in 1953. He earned a bachelor’s degree in engineering physics at the University of Tennessee in Chattanooga in 1956. He worked with the Combustion Engineering Nuclear Division in Chattanooga until 1964. While in Chattanooga, he served as president of the Junior Chamber of Commerce, director of the Chamber of Commerce, vice-chairman of United Way and as director of the Orange Grove School for physically and mentally challenged children.

Akbay became a U.S. citizen in 1960 and joined NASA at the

Marshall Center in 1964 working as an aerospace engineer in the Apollo program. He worked on the Skylab and Apollo-Soyuz programs and was appointed deputy director of Marshall’s Technology Utilization Office in 1973. He was appointed director of the office in 1981 and was responsible for overseeing the transfer of aerospace research and development technology to the public and private sector.

Following his retirement from Marshall in 1994, Akbay founded Akbay Associates International to bring space research to foreign countries. He also served as director of the National Technology Transfer Center in Wheeling, W. Va., in 1997, which is the center for dissemination of technology for NASA and the Department of Defense. He also helped bring a space camp program to his native Turkey.

Akbay is survived by his wife, Linda Reed Akbay; two daughters, Melek Akbay Ferrara and Linda Akbay Mahathey, both of Huntsville; two stepsons, Reed Tunstill of Elkmont and Ryan Tunstill of Athens, one brother, Oktay Akbay of Huntsville; and two sisters, Melek Guvenir and Mediha Urkmez, both of Turkey.

Center Announcements

Chandra X-ray Observatory Symposium set for September

The Chandra X-ray Observatory Program will host a three-day symposium Sept. 16-18 at the Huntsville Marriott. For more information, go to <http://mi.msfc.nasa.gov/chandra/index.html> or call 544-5468 or 544-0570.

Marshall Association scholarship applications due Thursday

The Marshall Association will award two college scholarships to dependents of Marshall employees or retirees in August. A technical and a non-technical scholarship will be awarded to incoming September freshmen. The association will accept applications until Thursday, July 31. To receive or submit an application form, call Cliff Bailey at 544-5482.

Marshall Retirees Association offering university scholarship

Students who are direct descendants of a Marshall Center retiree can apply for the NASA-MSFC Retirees Association Scholarship at the University of Alabama in Huntsville. The \$1,000 scholarship will be awarded for the academic year beginning in the fall. For more information, call UAH Financial Services at 824-2755.

Marshall Child Development Center accepting applications

The Marshall Child Development Center is accepting applications for its waiting list. Eligible children include those of NASA employees, retired NASA employees, NASA contractors and grandchildren of NASA employees. A \$15 fee is charged to be placed on the waiting list. The center accepts children aged 6 weeks-5 years or until entering kindergarten. Operating hours are 6:45 a.m.-5:45 p.m. weekdays. For more information, go to <http://mcdc.msfc.nasa.gov> or call Kelli Brott at 544-8609.

HOPE Place golf tournament will be Aug. 23

The HOPE Place Classic golf tournament to benefit victims of domestic

violence will be at 8 a.m. Aug. 23 at both the Highland and River golf courses at Hampton Cove. Cost is \$150 per player for the four-person scramble tournament or \$600 per team. For more information, call Sharon Tyson at 885-1739.

NASA Ski Week set for January 2004

The 13th annual NASA Ski Week will be in Steamboat, Colo., Jan. 24-31, 2004. Skiers from nine NASA centers will participate in winter sports and camaraderie at the 3,000-acre resort. All Marshall team members, retirees and family members, are eligible to participate. For more information, call 233-0705 or e-mail tom.dollman@nasa.gov.

Proposal production assistance available

The Center Operations Directorate's Proposal Production Team (PPT) is available for assistance in preparing proposals. The PPT can schedule coordination, guidelines, text editing, figure and table production, layout, camera-ready art and coordinate printed products. For more information, go to <http://co.msfc.nasa.gov/ad03/graphics/proposal.html> or call 544-4852, 544-4580 or 544-4741. The PPT is in Bldg. 4200, Room G-28. To submit a Service Request, go to "One-Stop-Shop" on "Inside Marshall."

Astrionics Retirees to meet first Monday of each month

Marshall Center Astrionics retirees meet at 9 a.m. on the first Monday of each month at Gibson's Bar-B-Q at 3319 Memorial Parkway Southwest in Huntsville. For more information, call Jim Lewis at (256) 353-1557.

SecurID Token deadline for dial-in and VPN users is Friday

Marshall team members who use Virtual Private Network (VPN) software or dial directly into the Marshall network from home or TDY must have a SecurID Token by Friday. All single-factor authentication for the VPN and phone

dial-in users will go to a two-factor authentication at that time. If Marshall team members require remote access services, they must immediately apply for a SecurID Token. For more information, go to <http://co.msfc.nasa.gov/ad03/token.html>.

SEE Program to host Spacecraft Charging Technology Conference

NASA's Space Environments & Effects Program will host the eighth Spacecraft Charging Technology Conference Oct. 20-24 in Huntsville. The conference is an international forum to present and discuss spacecraft charging issues and mitigation techniques. The conference is co-sponsored by NASA, the U.S. Air Force Research Lab, the European Space Agency and NASA's Space Environments & Effects program at the Marshall Center. Registration is limited. For more information, go to <http://see.msfc.nasa.gov/sctc>.

Stress and Change Management seminar set for Aug. 7

Dr. Joseph Mancusi will be the speaker at a Stress and Change Management seminar from 9-11 a.m. Aug. 7 in Morris Auditorium. Mancusi is a clinical psychologist in Huntsville. He will discuss how to cope with change, reduce stress and inject more fun into your job and life. The event is open to all Marshall team members. Seats are on a first-come basis.

NASA Exchange Book Fair is Tuesday-Friday at Marshall

The NASA Exchange will host a Book Fair from 9 a.m.-4 p.m. Tuesday-Friday in the Bldg. 4203 lobby. A variety of books will be offered at discount. For more information, call 544-7565.

Shoe Carnival Discount Days set

NASA employees, retirees and contractors can receive a 30-percent discount Thursday-Saturday at Shoe Carnival stores in Huntsville, Decatur and Florence by showing their NASA badge.

Classified Ads

Miscellaneous

- ★ Jenn-Aire refrigerator w/icemaker and water in door, \$500. 837-2223
- ★ Two square silver overlay cake plates, large bowl, nut dish, two crystal jam dishes. 882-6832
- ★ Electric weed trimmer, \$15; 40-gallon electric water heater, \$30. 828-6213
- ★ Digital piano "Clavanova", Model 203, new, make offer. 772-8744
- ★ Solid cherry queen bed and matching nightstand, \$450. 864-2818
- ★ Used clarinet, \$350. 539-9521
- ★ Martin fireplace insert, 36", \$150; Chrome tubular steps for Dodge extended cab, \$150 set. 508-4503
- ★ Boston Rocker, black, \$100; Antiques: 24" Oak center table, \$150; Oak sewing rocker, \$85. 539-7857
- ★ Deluxe bicycle child carrier seat, \$25; green Naugahyde recliner, \$30. 881-8674
- ★ Taurus pistol, Model 65, .357 Magnum, LNIB, 3" heavy barrel, 2 boxes ammo, \$265. 714-0208/317-8300
- ★ Trail bikes: 1986 Yamaha TT225, \$750; 1988 Yamaha XT125, \$550. 772-1843
- ★ Cherry headboard & frame, king-size; Cherry corner cupboard; black-powder six-shot carbine, 44-caliber, \$300. 882-0271
- ★ Solid Oak TV stand, holds up to 36" TV. Matt or Darla/828-0401
- ★ Round bales of hay, approx. 40 bales, fresh cut. 256-828-9494
- ★ Maytag washer, extra-large capacity, works, 20 yrs, old, needs electrical cord, \$25. 881-8176

- ★ Minolta 9xi, \$400; Minolta 3xi, \$100; Metz 45CL-1 flash, \$125; Minolta Flashmeter 4, \$225. 722-9272
- ★ Fender Squire Stratocaster electric guitar, black, soft case, amp, tuner, capo, books, \$250. 318-3878
- ★ MTD riding mower, 12.5HP, 38" cut, needs work, \$75; bagger, \$50. 851-9519
- ★ Whirlpool electric self-cleaning free-standing electric stove, autumn gold, black front, \$30. 883-2757
- ★ NordicTrac Pro model. 679-2533
- ★ Vito wood clarinet, accessories included, \$150. 355-2042
- ★ Apple Mac Power PC, 8500/150/112, HP printer, zip, CD, floppy, 17" Apple monitor, \$325. 430-9688
- ★ Compaq Presario 9240 desktop, Pentium 133, 1.2gb HD, 16mb RAM, CD, Windows 95, \$100. 533-5942
- ★ Solid oak pedestal table, 48" round, w/four rounded high-back chairs, protective glass tabletop, \$350. 350-1292

- ★ SurroundAir ionizer, air purifier, \$50; lawn drop spreader, \$15; 20 lb. propane bottle, full, \$28. 828-6213
- ★ Tasco World Class Plus rifle scope, 2.5-10x50mm, matte finish, \$55. 379-3606
- ★ 1976 Bayliner ski boat, 18', 140HP Mercruiser, Easy Trail trailer, needs interior work, \$950. 883-9339
- ★ Left-handed Protactic golf club irons, 3-PW & driver, 3 & 5 woods, putter, pull-cart. 256-536-1977
- ★ PC w/Windows 95, Microsoft Office, 486/50 processor and more, \$150. 881-9753
- ★ 1998 Yamaha XVS65A V0Star Custom motor-cycle, \$3,650. 256-722-8064

- ★ Magnavox projection TV, 42", \$250; RCA, 46" projection TV, \$500. 828-3181 after 5 p.m.

Vehicles

- ★ 2002 Jeep Liberty, blue, 35K miles, moonroof, SelectTrak 4x4, towing pkg., CD/tape, power, \$18,500. 256-931-4678
- ★ 1963 Chevrolet truck, 4-speed, straight 6, \$500. 316-1880
- ★ 1996 Jeep Grand Cherokee Laredo, V6, auto, 4wd, loaded, \$6,300. 256-757-9261
- ★ 2002 Lincoln LS, V8, fully loaded, red, 16K miles, \$28,000. 256-659-6164 after 5 p.m.
- ★ 2001 Ford Explorer XLT, auto, 4-door, 2WD, 6 cyl., keyless entry, CD, 39K miles, \$14,500. 256-259-2969
- ★ 1999 Chrysler Concorde, V6, auto, all-power, 65K miles, \$8,500. 882-0055/527-9073
- ★ 1997 Nissan Maxima SE sedan, 4-door, 82K miles, sunroof, automatic, am/fm/CD, new brakes, \$9,790. 881-8674
- ★ 1987 Buick Skylark, 87K miles, 4-cyl., new tires/brakes, maroon, \$3,000. 256-757-0244
- ★ 2001 Audi TT Quattro roadster, 27K miles, premium audio, nav, xenon, heated seats, \$31,500. 256-655-7215
- ★ 2001 VW Jetta, royal blue, 51K miles, PW/PD, sunroof, \$11,300. 797-1113/Christy
- ★ 1993 Cadillac Sedan de Ville, taupe, \$5,000. 256-837-8989/Tuesday/Thursday evenings
- ★ 1984 Toyota Camry, new transmission, \$600. 256-461-9182
- ★ 1995 Dodge Caravan SE, automatic, 162K miles, blue w/gray interior, V6, \$2,500. 256-880-3337
- ★ 1989 Chevy pickup, 1500-SWB, Silverado, 350-engine, custom wheels & Cal-Inducted hood, towing pkg., bedliner. 256-777-8520
- ★ 1991 Honda Accord DX, 4-door, auto, 154K miles, a/c, AM/FM/cassette, \$3,000. 883-6496
- ★ 1995 Coachmen Catalina, Class A Model MB320

- motorhome, Ford 460 motor, new Michelins, \$26,000. 256-859-0206
- ★ 1992 Honda Accord LX, 4-door, 90K miles, auto, non-smoker, \$3,750. 325-6000
- ★ 2000 Ford Escape XLT, 4x4, 16K miles, auto, loaded, 6-CD, leather, tow pkg., \$18,500. 830-1844
- ★ 1998 Z71 Chevrolet 1500, standard cab, two-tone, 85K miles, \$13,200. 852-9617
- ★ 1995 Ford Explorer, Eddie Bauer, leather, ABS, 113K miles, Alpine CD, privacy glass, \$5,985. 880-6563
- ★ 1987 300ZX, 2+2, red, \$2,000. 828-5246
- ★ 1999 Ford Ranger XLT Sport, supercab, 4-door, 6-cyl., CD, cruise, PW/PL, bed cap, \$8,300. 859-0729
- ★ 1991 Mitsubishi Montero SUV, V6, 4WD, new tires, hitch, alarm, keyless entry, all-power, \$3,500. 658-5855
- ★ 1987 GMC 4x4, classic stepside w/305/V8 and TH400 transmission, \$2,800. 683-9364
- ★ 1999 Acura 3.2 TL, silver, gray leather, auto, CD, moonroof, 68K miles, \$15,000. 534-1938
- ★ 1996 Toyota 4-Runner, auto, tan, 130K, \$5,000; 1996 Nissan, Maxima, auto, green, 160K, \$5,000. 880-9025

Free

- ★ To good home, female Chow/Golden Retriever, spayed, & female Pembroke Welsh Corgi. 652-0379

Found

- ★ Men's wedding band, Bldg. 4493. Call 544-1315 to claim/identify or come by Room 103/Bldg. 4493
- ★ Ladies bracelet in Building 4200 elevator. Call 544-6652 to claim/identify
- ★ Money in North parking lot of Bldg. 4203. Call 837-0996 to identify/claim

Wanted

- ★ Dorm-size refrigerator. 859-8221
- ★ "Saturn Illustrated Chronology," (MSFC MHR-5), in good condition. 922-1424
- ★ Full-blooded red-nosed Pit Bull puppy. 251-769-0813
- ★ Folding camping trailer w/a/c, water heater, shower, toilet, >1700 lb. dry weight. 859-5148
- ★ New/like new twin size box springs. 350-1292
- ★ 100th Shuttle mission bookmark. 256-306-0700

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